Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A multicarrier modulation communication system comprising:

a plurality of subchannels; and

a plurality of margins, at least a portion of the plurality of margins associated with a portion of the plurality of subchannels, wherein the plurality of margins are based on at least one of changes in the levels of a crosstalk, impulse noise, temperature changes, wire line length, radio frequency interference, a bit error rate, a signal to noise ratio, a seasonal change, statistical information, time information, day information and data rate information.

2. (Cancelled)

3. (Original) The system of claim 1, wherein the plurality of margins are at least one of an average margin and a subchannel specific margin.

4. (Currently Amended) ~~The system of claim 3~~ A multicarrier modulation communication system comprising:

a plurality of subchannels; and

a plurality of margins, wherein a portion of the plurality of margins are ~~the~~ an average margin that is applied ~~equally~~ to a portion of the plurality of subchannels.

5. (Currently Amended) The system of claim 1, further comprising a margin determiner that determines ~~at least one margin~~ the plurality of margins.

6. (Original) The system of claim 1, further comprising a margin storage device that stores ~~at least one margin~~ the plurality of margins.

7. (Currently Amended) A multicarrier modulation communication system comprising:

a plurality of subchannels; and

a plurality of margins, wherein one of the plurality of margins is assigned to at least one of the plurality of subchannels, and the one margin is based on at least one of changes in the levels of a crosstalk, impulse noise, temperature changes, wire line length, radio frequency interference, a bit error rate, a signal to noise ratio, a seasonal change, statistical information, time information, day information and data rate information.

8. (Cancelled)

9. (Original) The system of claim 7, wherein the plurality of margins are at least one of an average margin and a subchannel specific margin.

10. (Original) The system of claim 9, wherein the average margin is applied equally to a portion of the plurality of subchannels.

11. (Currently Amended) The system of claim 7, further comprising a margin determiner that determines ~~at least one margin~~ the plurality of margins.

12. (Currently Amended) The system of claim 7, further comprising a margin storage device that stores ~~at least one margin~~ the plurality of margins.

13. (Currently Amended) A multicarrier modulation communication system communicating on a wire line over a plurality of subchannels, wherein at least one margin based on a length of the wire line is assigned to at least one of the plurality of subchannels, and at least one other margin is based on at least one of changes in the levels of a crosstalk, impulse noise, temperature changes, radio frequency interference, a bit error rate, a signal to noise ratio, a seasonal change,

statistical information, time information, day information and data rate information is assigned to at least one other of the plurality of subchannels.

14. (Cancelled)

15. (Currently Amended) The system of claim 13, wherein the at least one margin or the at least one other margin is based on at least one of an average margin and a subchannel specific margin.

16. (Original) The system of claim 15, wherein the average margin is applied equally to a portion of the plurality of subchannels.

17. (Currently Amended) The system of claim 13, further comprising a margin determiner that determines the at least one margin.

18. (Currently Amended) The system of claim 13, further comprising a margin storage device that stores the at least one margin.

19. (Currently Amended) A multicarrier modulation communication system having a plurality of subchannels, wherein at least two subchannels have a different margin, wherein each different margin is based on at least one of changes in the levels of a crosstalk, impulse noise, temperature changes, wire line length, radio frequency interference, a bit error rate, a signal to noise ratio, a seasonal change, statistical information, time information, day information and data rate information.

20. (Cancelled)

21. (Original) The system of claim 19, wherein the margins are at least one of an average margin and a subchannel specific margin.

22. (Currently Amended) ~~The system of claim 21,~~ A multicarrier modulation communication system having a plurality of subchannels, wherein at least

two subchannels have a different margin~~, and wherein the~~ an average margin is applied ~~equally~~ to a portion of the ~~at least two~~ plurality of subchannels.

23. (Currently Amended) An information storage media comprising margin information for a mulitcarrier modulation system having a plurality of subchannels, wherein at least two subchannels have a different margin, wherein each different margin is based on at least one of changes in the levels of a crosstalk, impulse noise, temperature changes, wire line length, radio frequency interference, a bit error rate, a signal to noise ratio, a seasonal change, statistical information, time information, day information and data rate information.

24. (Original) A method of enhancing multicarrier modulation communication over a plurality of subchannels comprising communicating over the plurality of subchannels using at least two different margins.

25. (Original) The method of claim 24, wherein the at least two margins are based on at least one of changes in the levels of a crosstalk, impulse noise, temperature changes, wire line length, radio frequency interference, a bit error rate, a signal to noise ratio, a seasonal change, statistical information, time information, day information and data rate information.

26. (Original) The method of claim 24, wherein the at least two margins are at least one of an average margin and a subchannel specific margin.

27. (Currently Amended) ~~The method of claim 26,~~ A method of enhancing multicarrier modulation communication over a plurality of subchannels comprising communicating over the plurality of subchannels using at least two different margins, wherein ~~the~~ an average margin is applied ~~equally~~ to a portion of the plurality of subchannels.

28. (Currently Amended) The method of claim 24, further comprising determining the at least ~~one margin~~ two different margins.

29. (Currently Amended) The method of claim 24, further comprising storing the at least ~~one margin~~ two different margins.

30. (Original) A method for multicarrier modulation communication over a plurality of subchannels comprising:

selecting a first number of the subchannels;

assigning a first margin to the first number of the subchannels;

selecting a second number of the subchannels; and

assigning a second margin to the second number of subchannels,

wherein the first margin and the second margin are different.

31. (Original) The method of claim 30, wherein the margins are based on at least one of changes in the levels of a crosstalk, impulse noise, temperature changes, wire line length, radio frequency interference, a bit error rate, a signal to noise ratio, a seasonal change, statistical information, time information, day information and data rate information.

32. (Original) The method of claim 30, wherein the margins are at least one of an average margin and a subchannel specific margin.

33. (Currently Amended) ~~The method of claim 32~~ A method for multicarrier modulation communication over a plurality of subchannels comprising:

selecting a first number of the subchannels;

assigning a first margin to the first number of the subchannels;

selecting a second number of the subchannels; and

assigning a second margin to the second number of subchannels,

wherein the first margin and the second margin are different, wherein ~~the~~ an average margin is applied ~~equally~~ to a portion of either the first or second number of subchannels.

34. (Currently Amended) The method of claim 30, further comprising a margin determiner that determines ~~at least one margin~~ the margins.

35. (Currently Amended) The method of claim 30, further comprising a margin storage device that stores ~~at least one margin~~ the margins.

36. (Currently Amended) A method for multicarrier modulation communication over a wire line using a plurality of subchannels, wherein at least one margin based on a length of the wire line is assigned to at least one of the plurality of subchannels, and at least one other margin is based on at least one of changes in the levels of a crosstalk, impulse noise, temperature changes, radio frequency interference, a bit error rate, a signal to noise ratio, a seasonal change, statistical information, time information, day information and data rate information is assigned to at least one other of the plurality of subchannels.

37. (Cancelled)

38. (Currently Amended) The method of claim 36, wherein the at least one margin or the at least one other margin is at least one of an average margin and a subchannel specific margin.

39. (Original) The method of claim 38, wherein the average margin is applied equally to a portion of the plurality of subchannels.

40. (Currently Amended) The method of claim 36, further comprising a margin determiner that determines the at least one margin.

41. (Currently Amended) The method of claim 36, further comprising a margin storage device that stores the at least one margin.

42. (Currently Amended) A method for communicating in a multicarrier modulation communications environment having at least two subchannels, wherein at least two of the at least two subchannels have a different margin, wherein each different margin is based on at least one of changes in the levels of a crosstalk, impulse noise, temperature changes, wire line length, radio frequency interference, a

bit error rate, a signal to noise ratio, a seasonal change, statistical information, time information, day information and data rate information.

43. (Cancelled)

44 (Original) The method of claim 42, wherein the margins are at least one of an average margin and a subchannel specific margin.

45. (Original) The method of claim 42, wherein the average margin is applied equally to a portion of the at least two subchannels.